

CVM-C10-mV-485-ICT2

CVM-C10-mV-485-ICT2, Power analyzer

Code: M559210000V00 **DESCATALOGADO**

> Protocol: Modbus/RTU | BACnet
> Communications: RS-485
> Transistor output: 2
> N° relays: 2
> Digital inputs: 2
> Measuring current Channels: 3
> Harmonics: 31
> Input current: .../333 mV
> Mounting: Pannel
> Modules: 96 x 96

Description

The **CVM-C10** is a panel mounted (96 x 96 mm) power analyzer that records energy values. Compact and versatile, with 4-quadrant measurement (consumption and generation). Suitable for Medium or Low voltage installations, in both 3 or 4-wire three-phase circuits,
two-phase circuits with or without neutral, single-phase circuits or ARON connections.

Display features and interface:

- Backlit touch-screen (capacitive)
- Analogue display of instantaneous parameters (power, maximum power reached and cos φ or PF)
- Backlit display
- Alarm LED indicator.
- Tariff cost
- Operating hour indicator for preventive maintenance

Application

- Record the energy consumption from three different sources: network, generator set or photovoltaic energy generation system.
- Generation of an impulse signal associated with the cost, kgCO_2 emissions or savings, according to the consumption or generation of energy.
- Selection of tariffs with digital inputs. Perfect to calculate costs in three different work shifts.
- Programs alarms on any instantaneous parameter measured or calculated. Configurable parameters: Low/High, hysteresis (%), NO/NC,
connection/disconnection delay and interlocking.

Creation date: 03/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



CVM-C10-mV-485-ICT2

Power analyzer for panel

Code: M559210000V00

Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	4 ... 6 VA
Frequency	50 ... 60 Hz
Nominal voltage	95 ... 240 V ~ ± 10%

DC power supply

Installation category	CAT III 300 V
Consumption	2 ... 6 W
Nominal voltage	105 ... 272 Vdc ± 10%

Mechanical characteristics

Size (mm) width x height x depth	96 x 96 x 60.9 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	Panel
Weight (kg)	0,3

Environmental characteristics

Protection class	IP 51 (Front), IP 64 (with accessory), IP 21 (rear)
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-10... +50 °C
Operating temperature	-5 ... +45 °C

Standards

Certifications	UL/CSA 61010-1 3rd edition, UL, VDE
Electrical safety, Maximum height (m)	2000
Standards	UNE EN 61010, UNE EN 61000-6-3, UNE EN 61000-6-1, IEC 664, VDE 0110, UL 94, BS EN 61000-6-2, BS EN 61000-6-4

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	0.333 mV
Phase current measuring range	2 ... 120% In
Maximum input current consumption	0,033 mVA
Maximum pulse current	1,2 In
Minimum current measurement	6.66mV

Voltage measurement circuit

Installation category	CAT III 300 V



CVM-C10-mV-485-ICT2

Power analyzer for panel

Code: M559210000V00

Frequency measuring range	45 ... 65 Hz
Voltage measuring range	5 ...120% Un
Nominal voltage	300V Ph-N, 520V Ph-Ph
Minimum measurement voltage (Vstart)	15 V

User interface

LED	3 LED
Keyboard	3 keys
Display type	LCD Custom COG

Digital inputs

Input/output insulation	Optoisolated
Quantity	2
Type	NPN Potential-free contact

Digital relay outputs

Electrical life (at maximum load)	$60x10^3$ cycles
Mechanical life	$10x10^6$ cycles
Maximum switching capacity	1500 VA

Digital transistor outputs

Pulse width	30 ms a 500 ms (Programmable)
Quantity	2
Type	NPN salida
Maximum frequency	16 imp / s
Maximum current	50 mA
Maximum voltage	24 Vdc

Measurement accuracy

Phase voltage measurement	0.5% ± 1 digit

Serial communication

Protocol	ModBus/RTU, BACnet
Technology / Type	RS-485 / BACnet

CVM-C10

Power analyzer, panel mounted 96 x96

CODE	TYPE	Input current	Transistor output	Nº relays	Digital inputs	Communications	Protocol



CVM-C10-mV-485-ICT2

Power analyzer for panel

Code: M559210000V00

CODE	TYPE	Input current	Transistor output	N° relays	Digital inputs	Communications	Protocol
M55911.	CVM-C10-ITF-485-ICT2	.../5 A | .../1 A	2	2	2	RS-485	Modbus/RTU | BACnet
M55921.	CVM-C10-MC-485-ICT2	.../250 mA	2	2	2	RS-485	Modbus/RTU | BACnet
M55942.	CVM-C10-ITF-IN-485-IC2	.../5 A | .../1 A		2	2	RS-485	Modbus/RTU | BACnet
M559210000V00	CVM-C10-mV-485-ICT2	.../333 mV	2	2	2	RS-485	Modbus/RTU | BACnet

Creation date: 03/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

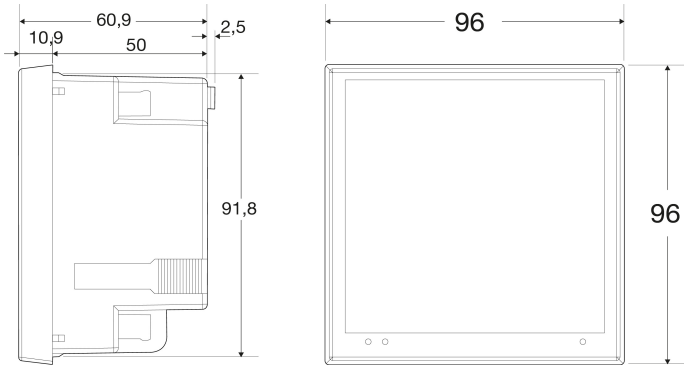


CVM-C10-mV-485-ICT2

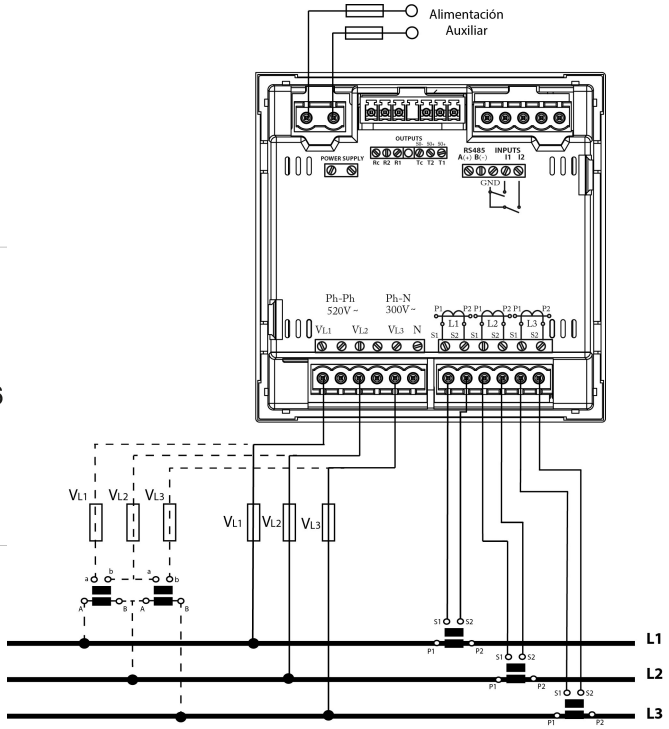
Power analyzer for panel

Code: M559210000V00

Dimensions



Connections



Creation date: 03/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.